



January 21, 2013

Analytical Report for Service Request No: K1300110

Al Deichsel
Georgia Pacific Corporation
92326 Taylorville Road
Clatskanie, OR 97016

Received

FEB 27 2013
Office Of Air, Waste
And Toxics

RE: FCQ1 2013

Dear Al:

Enclosed are the results of the samples submitted to our laboratory on January 04, 2013. For your reference, these analyses have been assigned our service request number K1300110.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3375. You may also contact me via Email at Janet.Malloch@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental


Janet Malloch
Project Manager

JM/mj

Page 1 of 25



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Columbia Analytical Services, Inc.

Part of the ALS Group A Campbell Brothers Limited Company

Environmental

www.caslab.com • www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
Indiana DOH	http://www.in.gov/isdh/24859.htm	C-WA-01
ISO 17025	http://www.pjllabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Louisiana DHH	Not available	LA110003
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-368
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdwlabservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
New Mexico ED	http://www.nmenv.state.nm.us/dwb/Index.htm	-
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon - DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.caslab.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.caslab.com or at the accreditation bodies web site

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.

ALS ENVIRONMENTAL

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2011
Sample Matrix: Aqueous Liquid

Service Request No.: K1300110
Date Received: 01/04/13

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Fifteen aqueous liquid samples were received for analysis at ALS Environmental on 01/04/13. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Hazardous Air Pollutants by NCASI Method 99.01

Elevated Detection Limits:

Samples Foul Condensate 1/2, Foul Condensate 1/3, and Foul Condensate 1/4 required dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____

Janet Malloch

Columbia Analytical Services, Inc.
1317 South 13th, Kelso, WA 98626

Georgia Pacific Wauna Mill

Page 1 of 2
Service Request: K1300110

Phone: (360) 5677-7222 Fax: (360) 636-1068

Project Name/Number: FCQ1 2011							Number of Containers	Analysis Requested									
Report To: Al Deichsel																	
Sample I.D.	24 Hour Composite Start Date	24 Hour Composite Start time	Grab Sample Date	Grab Sample Time	LAB ID	Matrix		HAPS									REMARKS
Inlet			01/02/13	9:10 AM			2	X									
Foul Condensate			01/02/13	9:15 AM			2	X									
Zone 1			01/02/13	9:20 AM			2	X									
Zone 2			01/02/13	9:30 AM			2	X									
Outlet			01/02/13	9:35 AM			2	X									
Inlet			01/03/13	8:00 AM			2	X									
Foul Condensate			01/03/13	8:10 AM			2	X									
Zone 1			01/03/13	8:20 AM			2	X									
Zone 2			01/03/13	8:30 AM			2	X									
Outlet			01/03/13	8:35 AM			2	X									
TAT REQUIREMENTS ___ 24 hr ___ 48 hr ___ 5 day _X_ Standard (21 days)		REPORT REQUIREMENTS <input checked="" type="checkbox"/> I. Routine Report		Comments/Special Instructions: Analyze for Methanol, Methyl Ethyl Ketone, Propionaldehyde, acetaldehyde NCASI DI/HAPS - 99.01													
RELINQUISHED BY: Signature: <u>[Signature]</u> Printed Name: Al Deichsel Firm: Georgia-Pacific Date/Time: 1/4/13 900hrs				RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: Gary Batley Firm: AB/CA Date/Time: 1/4/13 0905				RELINQUISHED BY: Signature: <u>[Signature]</u> Printed Name: Gary Batley Firm: AB/CA Date/Time: 1/4/13 1030				RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: [Signature] Firm: [Signature] Date/Time: 1/4/13 1030					

Columbia Analytical Services, Inc.
1317 South 13th, Kelso, WA 98626

Georgia Pacific Wauna Mill

Page 1 of 2
Service Request: K1300110

Phone: (360) 5677-7222 Fax: (360) 636-1068

Project Name/Number: FCQ1 2011							Number of Containers	Analysis Requested												
Report To: Al Deichsel																				
Sample I.D.	24 Hour Composite Start Date	24 Hour Composite Start time	Grab Sample Date	Grab Sample Time	LAB ID	Matrix		HAPS												REMARKS
Inlet			01/04/13	8:00 AM			2	X												
Foul Condensate			01/04/13	8:10 AM			2	X												
Zone 1			01/04/13	8:20 AM			2	X												
Zone 2			01/04/13	8:30 AM			2	X												
Outlet			01/04/13	8:35 AM			2	X												
TAT REQUIREMENTS __ 24 hr __ 48 hr __ 5 day _X_ Standard (21 days)		REPORT REQUIREMENTS X L Routine Report		Comments/Special Instructions: Analyze for Methanol, Methyl Ethyl Ketone, Propionaldehyde, acetaldehyde NCASI DI/HAPS - 99.01																
RELINQUISHED BY: Signature: <u>[Signature]</u> Printed Name: Al Deichsel Firm: Georgia-Pacific Date/Time: 1/4/13 900hrs		RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: <u>Gary Butley</u> Firm: <u>ALS/CAS</u> Date/Time: <u>1/4/13 0905</u>		RELINQUISHED BY: Signature: <u>[Signature]</u> Printed Name: <u>Gary Butley</u> Firm: <u>ALS/CAS</u> Date/Time: <u>1/4/13 1030</u>		RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: <u>SWMP</u> Firm: <u>ALS</u> Date/Time: <u>1/4/13 1030</u>														



Janet
Peterson

Cooler Receipt and Preservation Form

Client / Project: Georgia Pacific Woman Service Request K13 00110

Received: 1/4/13 Opened: 1/4/13 By: Beatley Unloaded: Beatley By: _____

1. Samples were received via? Mail Fed Ex UPS DHL PDX Courier Hand Delivered
2. Samples were received in: (circle) Cooler Box Envelope Other NA
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
- If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Temp	Corr. Temp	Raw Blank	Corr. Blank	Corr. Factor	Thermometer ID	Cooler/COC ID	Tracking Number	NA	Filed
0.3	0	1.9	1.9 SM 0	0	SMO 309	NA		NA	

7. Packing material: Inserts Baggies Bubble Wrap Get Packs Wet Ice Dry Ice Sleeves _____
8. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
10. Were all sample labels complete (i.e. analysis, preservation, etc.)? NA Y N
11. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
12. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
13. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
14. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
15. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/02/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Inlet 1/2
Lab Code: K1300110-001
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	40		0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/02/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Foul Condensate 1/2
Lab Code: K1300110-002
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	960	D	5.0	10	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	1.8		1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	7.1		1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/02/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Zone 1 1/2
Lab Code: K1300110-003
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/02/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Zone 2 1/2
Lab Code: K1300110-004
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/02/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Outlet 1/2
Lab Code: K1300110-005
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL**Basis:** NA**Level:** Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/03/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Inlet 1/3
Lab Code: K1300110-006
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	25		0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/03/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Foul Condensate 1/3
Lab Code: K1300110-007
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	1200	D	5.0	10	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	3.6		1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	9.4		1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/03/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Zone 1 1/3
Lab Code: K1300110-008
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	4.9		0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/03/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Zone 2 1/3
Lab Code: K1300110-009
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/03/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Outlet 1/3
Lab Code: K1300110-010
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/04/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Inlet 1/4
Lab Code: K1300110-011
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	37		0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/04/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Foul Condensate 1/4
Lab Code: K1300110-012
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	1100	D	5.0	10	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	3.3		1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	9.3		1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/04/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Zone 1 1/4
Lab Code: K1300110-013
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	2.7		0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/04/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Zone 2 1/4
Lab Code: K1300110-014
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: 01/04/2013
Date Received: 01/04/2013

HAPS in Condensates by GC/FID

Sample Name: Outlet 1/4
Lab Code: K1300110-015
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous liquid

Service Request: K1300110
Date Collected: NA
Date Received: NA

HAPS in Condensates by GC/FID

Sample Name: Method Blank
Lab Code: KWG1300222-4
Extraction Method: METHOD
Analysis Method: NCASI HAPS-99.01

Units: ug/mL
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methanol	ND	U	0.50	1	01/07/13	01/07/13	KWG1300222	
Acetaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Propionaldehyde	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	
Methyl Ethyl Ketone	ND	U	1.0	1	01/07/13	01/07/13	KWG1300222	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Georgia-Pacific Consumer Products LP
Project: FCQ1 2013
Sample Matrix: Aqueous Liquid

Service Request: K1300110
Date Collected: 1/2/2013
Date Received: 1/4/2013
Date Extracted: 1/7/2013
Date Analyzed: 1/7/2013

Triplicate Summary
 NCASI Triplicate MML Check

Sample Name: Zone 1 1/2
Lab Code: K1300110-003
Test Notes:

Units: ug/ml
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Triplicate Sample Result	Average	Percent Relative Standard Deviation	% RSD Acceptance Limit
Acetaldehyde	METHOD	NCASI	1.0	1.1	1.2	1.2	1.2	5	20
Methanol	METHOD	NCASI	0.5	1.4	1.3	1.5	1.4	7	20
Propionaldehyde	METHOD	NCASI	1.0	1.3	1.4	1.4	1.4	4	20
2-Butanone (MEK)	METHOD	NCASI	1.0	1.1	1.1	1.2	1.1	5	20